

Claims

1. (Currently Amended) A method for receiving first signals and further signals using a receiver,
the first and further signals differing in at least one of the transmission parameters data rate, modulation type, wake-up criterion, synchronization and threshold, ~~wherein~~ comprising the steps of:
 - a) in a first step in a quiescent mode of the receiver, performing receiving and searching for a wake-up criterion ~~(A) is performed~~ intermittently using a first preset adjustable configuration of transmission parameters, and
 - b) when no signal is received and no wake-up criterion ~~(A) is found~~, switching the system ~~switches to~~ at least one further configuration and a searching is made ~~for a wake-up criterion (B)~~.
2. (Original) The method as claimed in claim 1, wherein when no signal is received and no wake-up criterion is found using at least one further configuration, the process starts again with step a).
3. The method as claimed in claim 1 ~~or 2~~, wherein on receiving successfully and finding a wake-up criterion by step a) or b), a wake-up signal is output that contains as information the given configuration for the successful reception.
4. (Currently Amended) The method as claimed in claim 1 ~~in one of the preceding claims~~, wherein on receiving successfully and finding a wake-up criterion by step a) or b), the receiver goes out of the quiescent mode into an active mode using the configuration that was successful for the reception concerned.
5. (Currently Amended) The method as claimed in claim 1 ~~in one of the preceding claims~~, wherein the successful reception of a wake-up criterion by step a) or b) must take place within a preset time.
6. (Currently Amended) A receiver ~~for carrying out a method for receiving first signals and further signals as claimed in one of the preceding claims~~ comprising a storage device for loading at least two different pre-definable receive configurations, wherein

- a) the receiver has a quiescent mode in which it intermittently receives and searches for a wake-up criterion ~~(A)~~—using a first preset adjustable configuration of transmission parameters, and
 - b) the receiver has comprises a changeover switch in order to switch to at least one further configuration when no signal is received and no wake-up criterion ~~(A)~~ is found, and to search for a wake-up criterion ~~(B)~~.
7. (Original) The receiver as claimed in claim 6, wherein the receiver has an active mode that the receiver goes into when reception is successful and a wake-up criterion has been found by step a) or b), using the configuration that was successful for the reception concerned.
8. (Currently Amended) The receiver as claimed in claim 6 ~~or 7~~, wherein the receiver has a time-control unit so that the switchover using the changeover switch occurs within a preset time at the latest.